(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/096012 A1

(51) International Patent Classification[7]: G01S 13/524, 7/292

(21) International Application Number: PCT/GB2005/001060

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0406935.7 27 March 2004 (27.03.2004) GB

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

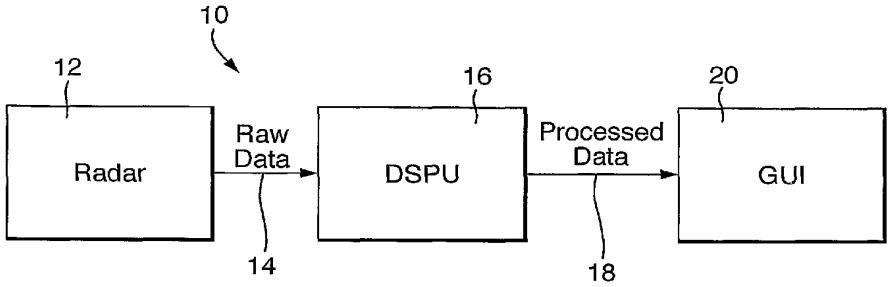
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— *of inventorship (Rule 4.17(iv)) for US only*

Published:
— *with international search report*

[Continued on next page]

(54) Title: METHOD OF DETECTING A TARGET WITH A CFAR THRESHOLDING FUNCTION USING CLUTTER MAP ENTRIES



(57) Abstract: A method of detecting a target in a scene comprises the steps of (a) obtaining a first data set of data elements which correspond to returns from different parts of the scene; and (b) determining a detection threshold for a part of the scene by reference to data elements corresponding to returns from neighbouring parts of the scene; characterised in that (i) the method further comprises the steps of (c) obtaining a second data set of data elements which correspond only to clutter returns from different parts of the scene; and (d) identifying clutter returns in the first data set by comparing the first and second data sets; and (ii) in step (b), data elements identified in step (d) as corresponding to clutter returns are discounted in determining the detection threshold. The method provides for improved target detection in the presence of clutter.

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